

FIGURE 50 " 5354360

LCPIWYHCHRPEHTSTVMCAVIWVLSSILICILNSYFCGFLNTQYKNENGCLAINFTAAYLIMFLFVVICLSSLLVA
LCPIWYHCHRPEHTSTVMCAAIWVLSSILICILNSYFCGVLLHTRYDNDNGCLATNIFTASYMIFLIVVLCISSLALLA
LCPIWYHCHRPEHTSTVMCAVIWVLSSILICILDGYFCGYLDHYFNYSYCQAOANDIFIGAYPMFLFVVICLSTLLALLA
LCPIWYHCHRPEHTSTVMCAVIWVLSSILICILNSYFCGFLNTQYKNENGCLALSFETAAYLIMFLFVVICLSSLLALLA
LCPTWYRCHRPEHTSTVMCAVIWVLSSILICILNSYFCAVLHTRYDNDNECLATNIFTASYMIFLIVVLCISSLALLA
LCPIWYRCHRPEHTSTIMCVVINVLSILICILNRYFCDLFGPKYEINSVCQASEFFIRIYPFLFVVLCFSTLTLLA
LWPIWYRCHRPTHLSAVVCVLLWALSLLRSILEWMLCGFLFSGA-DSAWCQTSDFITVAWLIFLCVVLCGSSLVLLI
LWPIWYRCCRPRHLSAVVCVLLWALSLLSILEGKFCGFLFSDG-DSGWCQTFDFITAAWLIFLFMVLCGSSLALLV
Human1
Human2

RLFCGTGQIKILTRLYVTIMISLVLFLICGLPFGIHWELLFKIKDDFHVDLGFYLASVVLTAINSCANPIIYFFVG
RLFCGAGQMKAYQFHVTTLITLIVFLICGLPLIAIYCELLFKIKGDFHVLDVNLYLALLEVLTAINSCANPIIYFFVG
RLFCGARNMKFTTRLFVTTIMLTVLVFLICGLPFWGITWELLFWIAPGVFVPDYSPLL---VLTAINSCANPIIYFFVG
RLFCGARNMKFTTRLFVTTIMLTVLVFLICGLPFWGITWELLFWIAPGVFVLDYSPLL---VLTAINSCANPIIYFFVG
RLFCGAGQMKLTRFHTVTLITLIVFLICGLPFWVYCILLFKIKDDFHVLDVNLYLALLEVLTAINSCANPIIYFFVG
RLFCGAGKKKFTTRLFMTIMVTLVFLICGLPFGIHWLLPWIEGGFSILDYRFLASLVLTAINSCANPIIYFFVG
RLFCGAGKKKFTTRLFMTIMVTLVFLICGLPFGIHWLLPWIEGGFSILDYRFLASLVLTAINSCANPIIYFFVG
RILCGSRKIPILTRLYVTILLTVLVLGLPFGIQFFELFLWIVDREVLFCVHVLVSIFLSALNSSANPIIYFFVG
RILCGSRGLPLTRLYLTILLTVLVLGLPFGIQWELILWIKDSDVLFCHIHPVSVLLSIINSSANPIIYFFVG

FIG. 1

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一

TM1

c1

TM3		TM2		E2		E1	
3	W	Y	Y	F	Y	G	Y
4	R	R	E	E	S	S	S
5	N	N	E	E	H	H	H
8	N	N	E	E	C	C	C
9	N	N	E	E	C	C	C
10	N	N	E	E	G	G	G
11	N	N	E	E	G	G	G

		TM4									
		C2					C3				
		C4		C5			C6		C7		
3		A	B	C	D	E	F	G	H	I	J
4		B	C	D	E	F	G	H	I	J	K
5		C	D	E	F	G	H	I	J	K	L
8		D	E	F	G	H	I	J	K	L	M
9		E	F	G	H	I	J	K	L	M	N
10		F	G	H	I	J	K	L	M	N	O
11		G	H	I	J	K	L	M	N	O	P
3		A	B	C	D	E	F	G	H	I	J
4		B	C	D	E	F	G	H	I	J	K
5		C	D	E	F	G	H	I	J	K	L
8		D	E	F	G	H	I	J	K	L	M
9		E	F	G	H	I	J	K	L	M	N
10		F	G	H	I	J	K	L	M	N	O
11		G	H	I	J	K	L	M	N	O	P

FIG. 1A.

PRINT OF DRAWINGS
AS ORIGINALLED FED

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TM07 6000000000000000

C3											
mrg3	N	T	O	E	N	G	C	E	L	A	T
mrg4	A	V	H	T	R	D	N	E	T	A	S
mrg5	G	Y	D	N	H	F	Y	S	V	W	D
mrg8	H	F	G	P	K	V	I	D	S	T	R
mrg9	S	C	D	I	N	N	D	K	Q	T	R
mrg10	G	E	D	T	K	E	D	Y	G	T	R
mrg11	D	E	F	G	T	K	L	G	Y	V	R
mrg12	N	S	S	P	R	V	N	S	V	Q	S
TM5											
E3	K	E	N	G	C	E	L	A	T	S	M
mrg3	T	D	N	E	C	T	W	I	R	T	P
mrg4	H	F	I	S	V	D	T	R	E	E	T
mrg5	G	Y	D	N	H	F	Y	S	V	W	D
mrg8	H	F	G	P	K	V	I	D	S	T	R
mrg9	S	C	D	I	N	N	D	K	Q	T	R
mrg10	G	E	D	T	K	E	D	Y	G	T	R
mrg11	D	E	F	G	T	K	L	G	Y	V	R
mrg12	N	S	S	P	R	V	N	S	V	Q	S
TM6											
E4	F	E	I	H	R	S	F	D	D	H	F
mrg3	L	E	B	F	H	I	F	K	E	H	V
mrg4	L	E	B	F	H	I	F	K	E	H	V
mrg5	F	E	B	F	H	I	F	K	E	H	V
mrg8	F	E	B	F	H	I	F	K	E	H	V
mrg9	L	E	B	F	H	I	F	K	E	H	V
mrg10	L	E	B	F	H	I	F	K	E	H	V
mrg11	F	E	B	F	H	I	F	K	E	H	V
mrg12	F	E	B	F	H	I	F	K	E	H	V
TM7											
C4	A	K	I	H	G	E	V	S	S	S	S
mrg3	F	E	B	F	H	I	F	K	E	H	V
mrg4	F	E	B	F	H	I	F	K	E	H	V
mrg5	F	E	B	F	H	I	F	K	E	H	V
mrg8	F	E	B	F	H	I	F	K	E	H	V
mrg9	F	E	B	F	H	I	F	K	E	H	V
mrg10	F	E	B	F	H	I	F	K	E	H	V
mrg11	F	E	B	F	H	I	F	K	E	H	V
mrg12	F	E	B	F	H	I	F	K	E	H	V

FIG. 1A₂

TECHNICAL DRAWING NO. 59964-2503

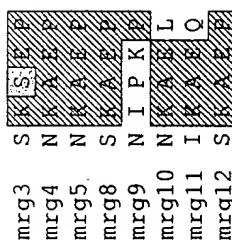
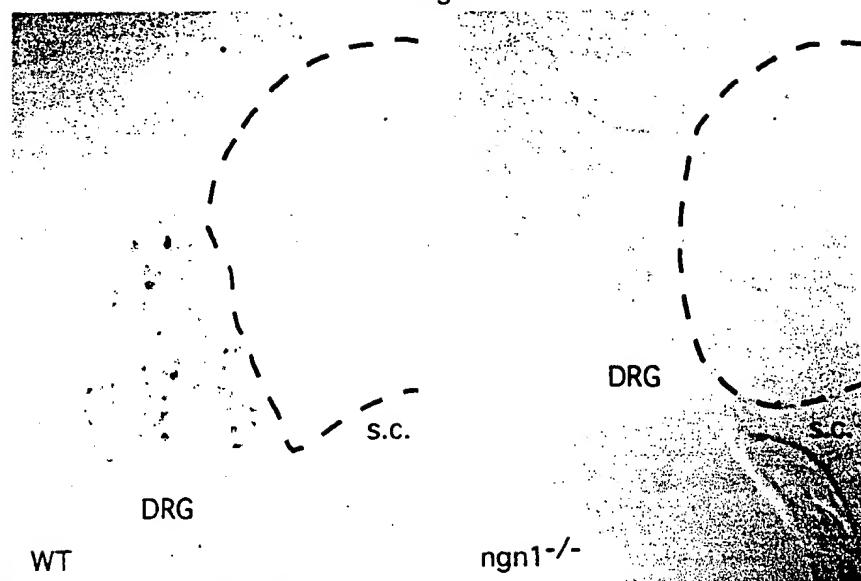


FIG. 1A₃

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mrg3



DRG

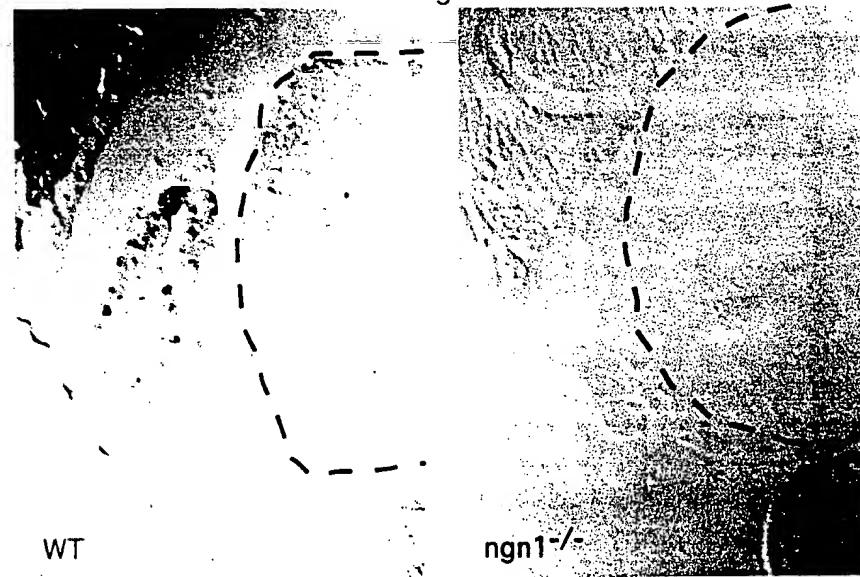
WT

DRG

SC

ngn1^{-/-}

mrg4



WT

ngn1^{-/-}

FIG. 2

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Geological Log

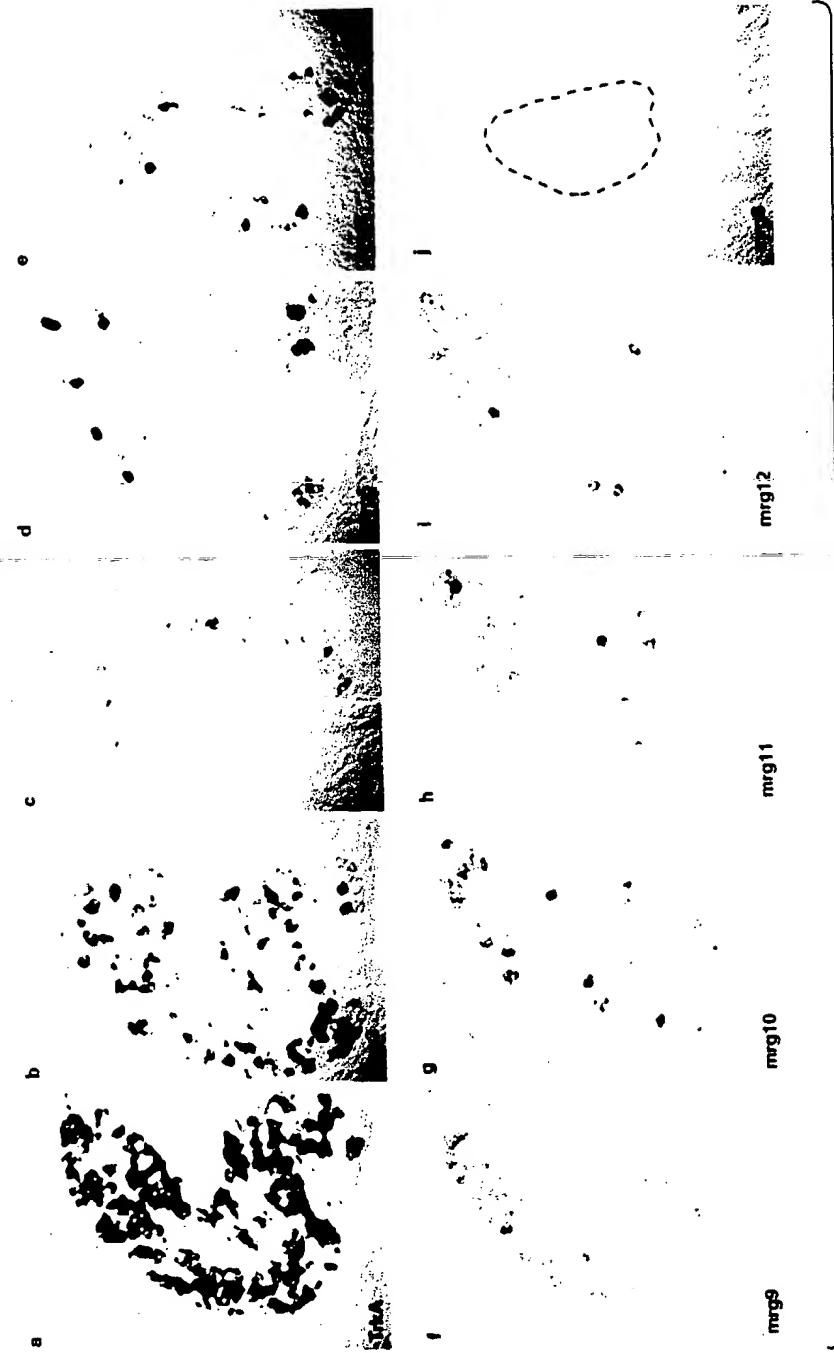
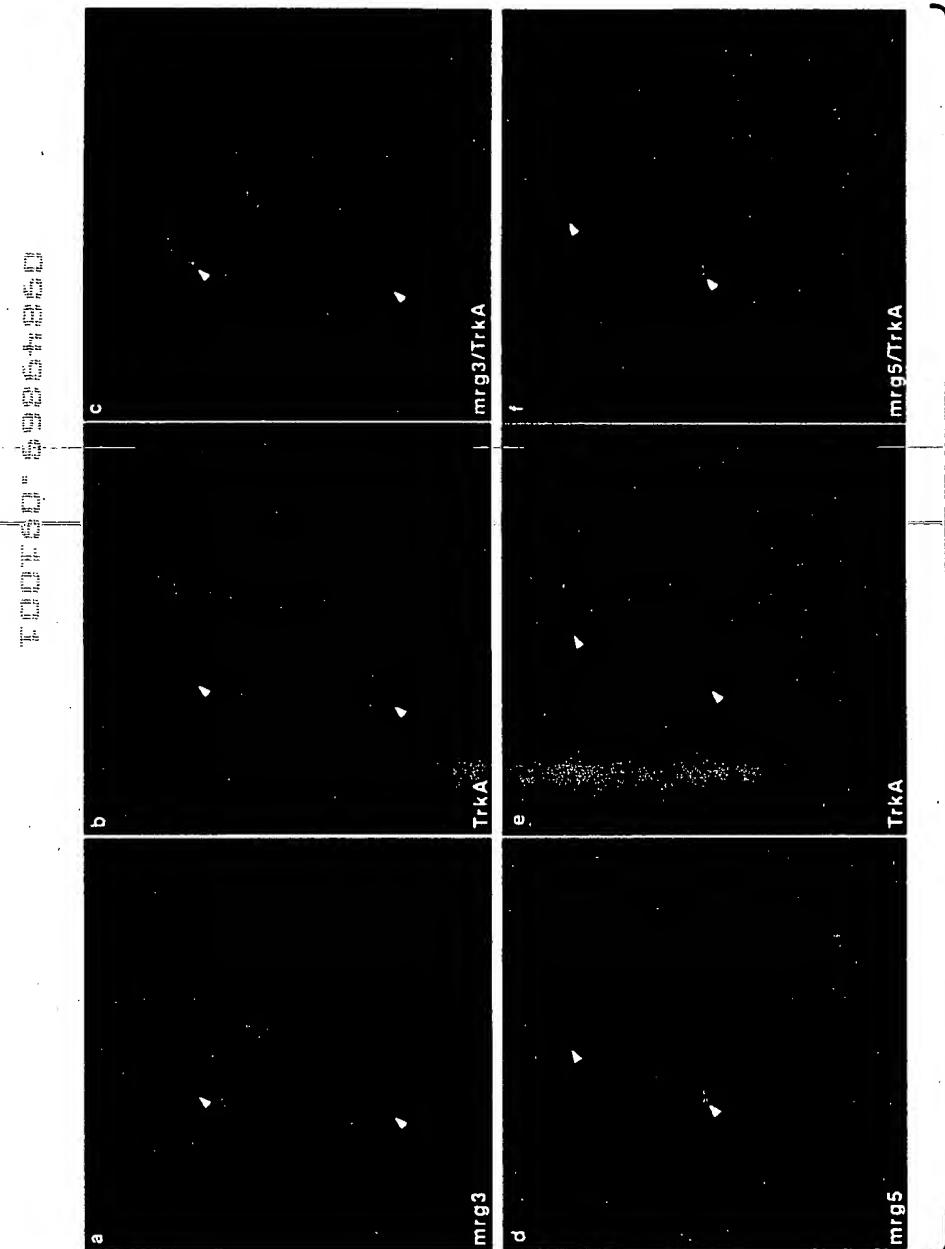
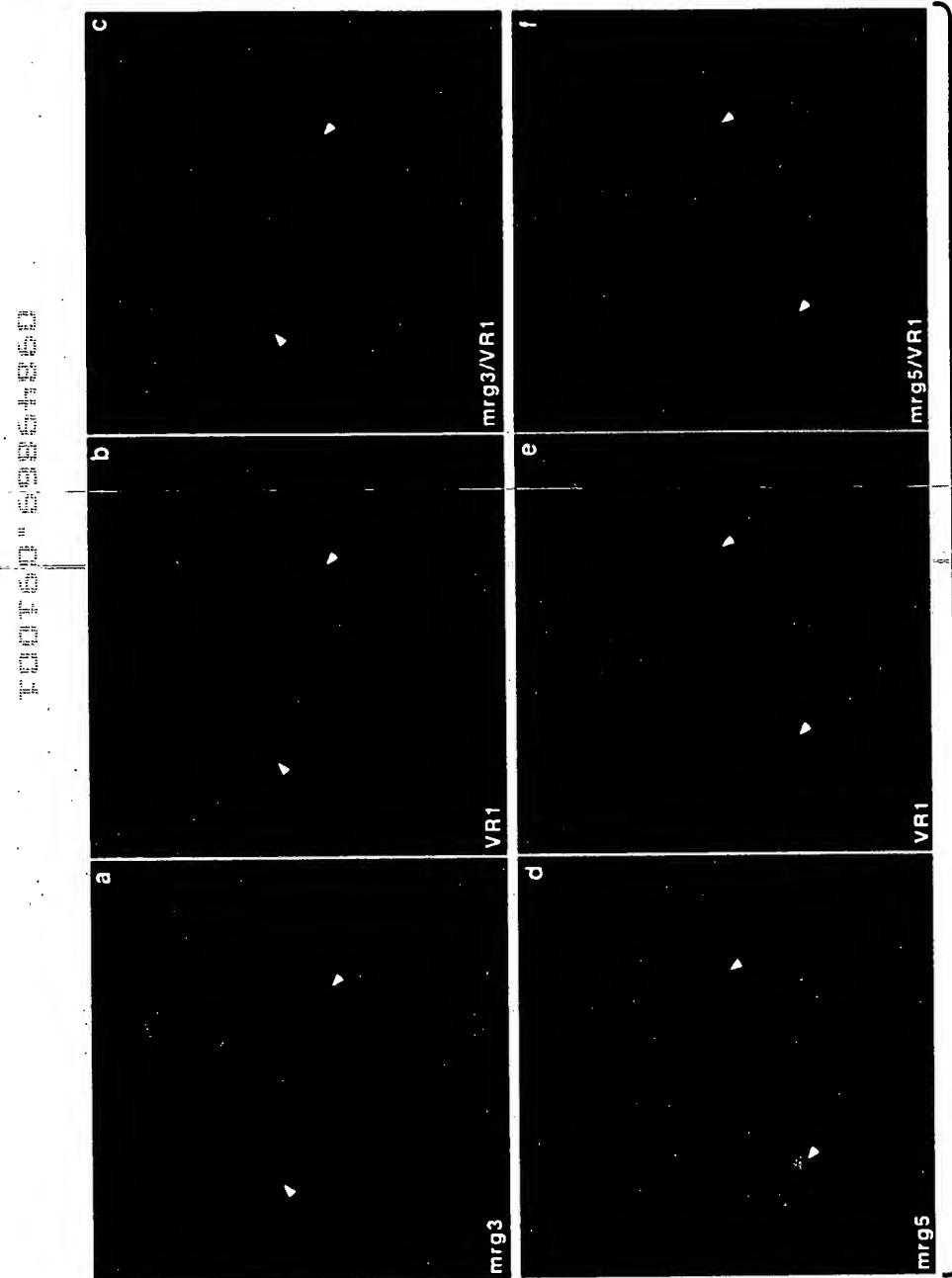
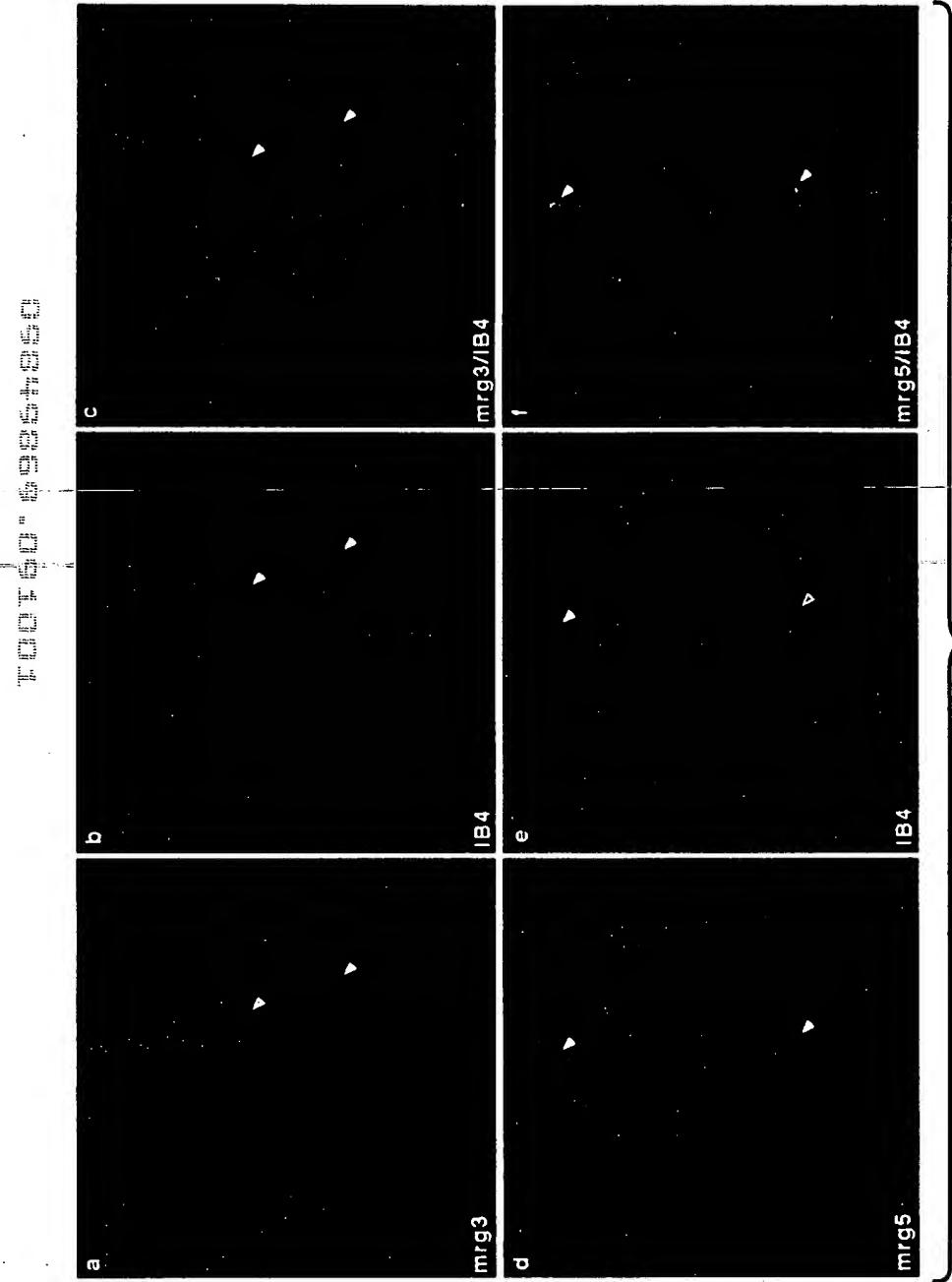


FIG. 2A



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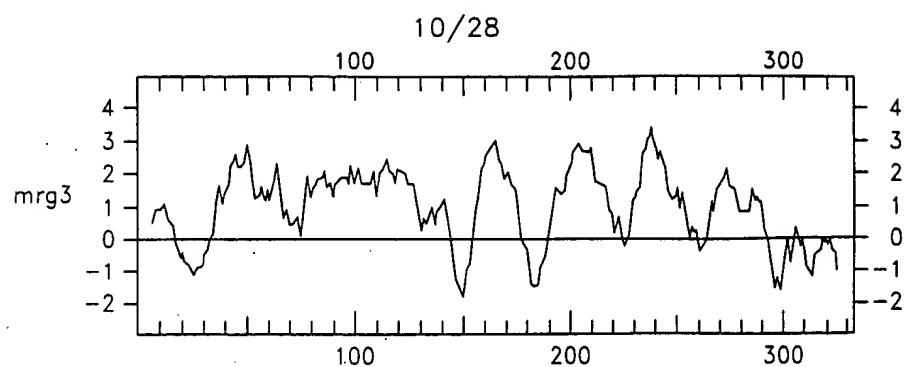


FIG. 3A

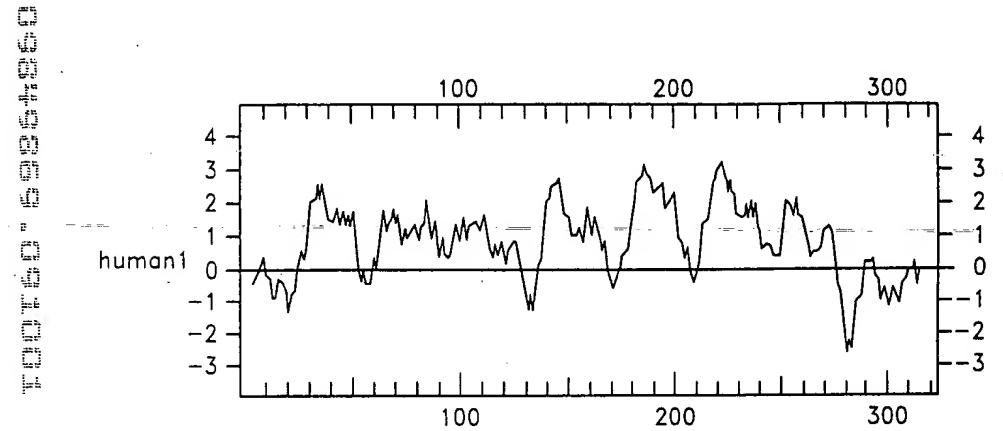


FIG. 3B

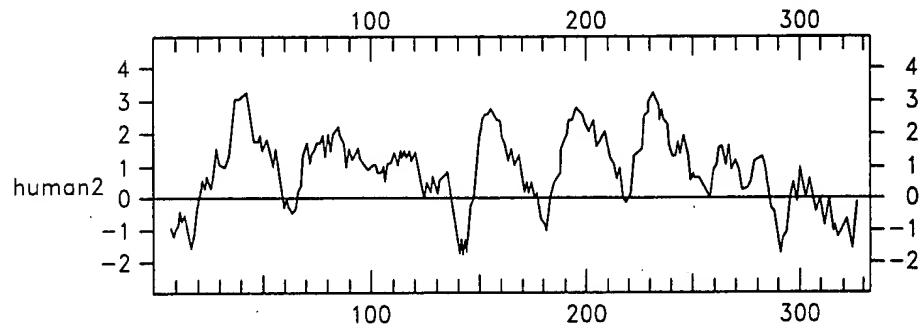


FIG. 3C

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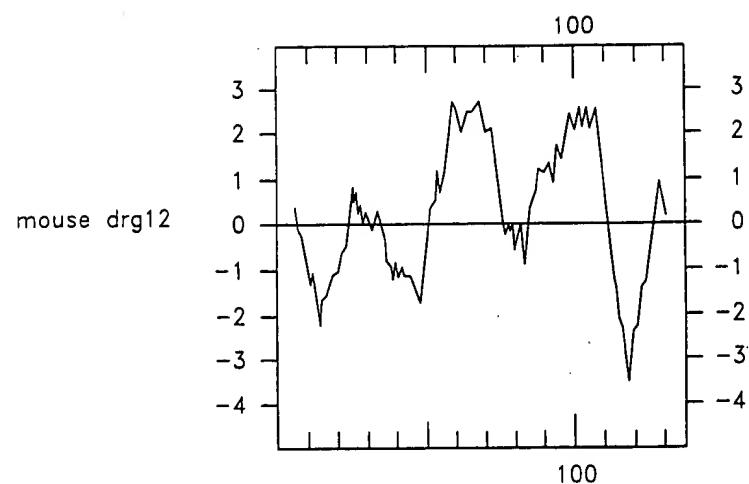


FIG. 4A

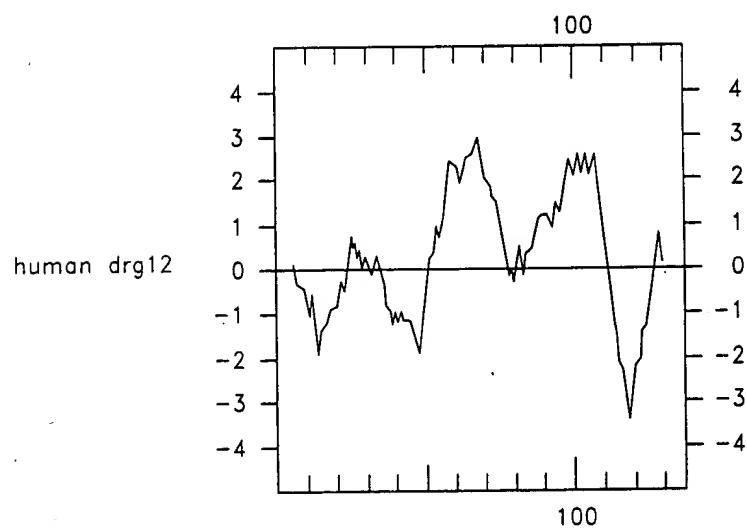


FIG. 4B

PRINT OF DRAWINGS
AS ORIGINAL RED

FIGURE 5 SHEET 5

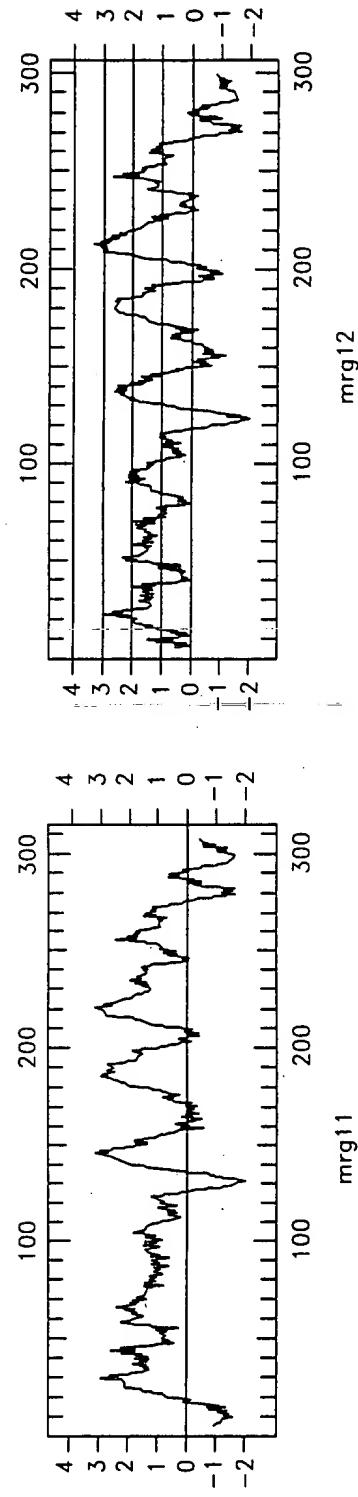
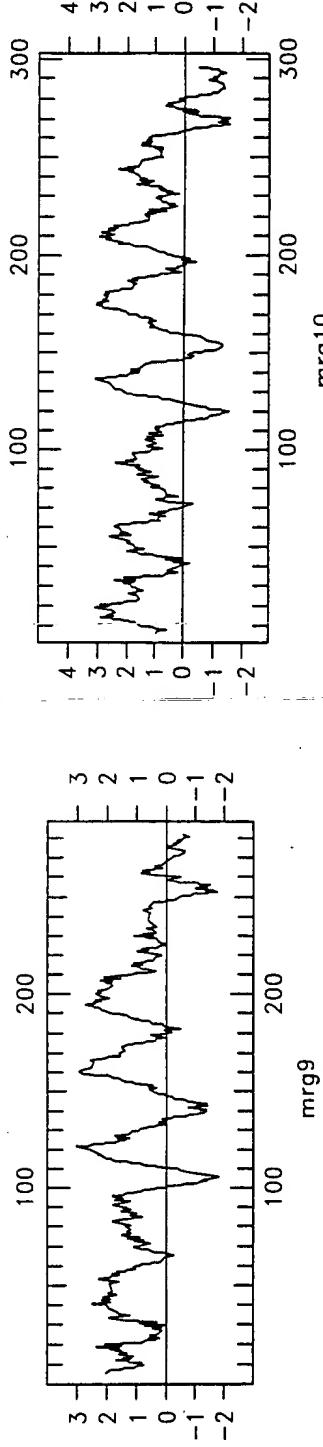


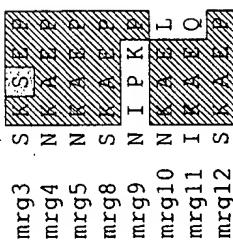
FIG. 5

FIGURE 6D - 63254-52

C3											
C4											
mrg3	G	E	N	T	O	K	E	N	G	C	T
mrg4	A	V	H	T	R	D	N	E	T	S	R
mrg5	G	X	D	N	H	F	Y	S	V	N	S
mrg8	H	F	G	P	K	V	I	D	S	T	R
mrg9	S	E	D	I	N	N	D	K	Q	O	P
mrg10	G	R	D	T	K	E	D	D	Y	R	R
mrg11	D	F	G	T	K	L	G	Y	V	E	K
mrg12	N	S	S	P	R	V	N	S	V	Y	R
TM5											
mrg3	L	E	Y	T	S	I	F	V	I	H	V
mrg4	L	E	F	H	L	E	F	V	I	G	F
mrg5	F	E	I	F	V	E	F	V	I	C	I
mrg8	F	E	I	F	V	E	F	V	I	T	F
mrg9	L	E	I	F	V	E	F	V	I	Y	Y
mrg10	L	E	I	F	V	E	F	V	I	Y	Y
mrg11	F	E	I	F	V	E	F	V	I	Y	Y
mrg12	F	E	I	F	V	E	F	V	I	Y	Y
TM6											
mrg3	L	E	Y	T	S	I	F	V	I	H	V
mrg4	L	E	F	H	L	E	F	V	I	G	F
mrg5	F	E	I	F	V	E	F	V	I	C	I
mrg8	F	E	I	F	V	E	F	V	I	T	F
mrg9	L	E	I	F	V	E	F	V	I	Y	Y
mrg10	L	E	I	F	V	E	F	V	I	Y	Y
mrg11	F	E	I	F	V	E	F	V	I	Y	Y
mrg12	F	E	I	F	V	E	F	V	I	Y	Y
TM7											
mrg3	S	V	N	E	N	S	E	N	K	A	V
mrg4	A	V	N	E	N	S	E	N	K	A	V
mrg5	A	V	N	E	N	S	E	N	K	A	V
mrg8	S	V	N	E	N	S	E	N	K	A	V
mrg9	A	V	N	E	N	S	E	N	K	A	V
mrg10	V	V	N	E	N	S	E	N	K	A	V
mrg11	V	V	N	E	N	S	E	N	K	A	V
mrg12	V	V	N	E	N	S	E	N	K	A	V

FIG. 6A₂

FIGURE 6A3



mrg3 S
mrg4 N
mrg5 N
mrg8 S
mrg9 N I P K
mrg10 N N Q L
mrg11 I
mrg12 S

FIG. 6A3

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PROTEINS: GPCRS/7TMR

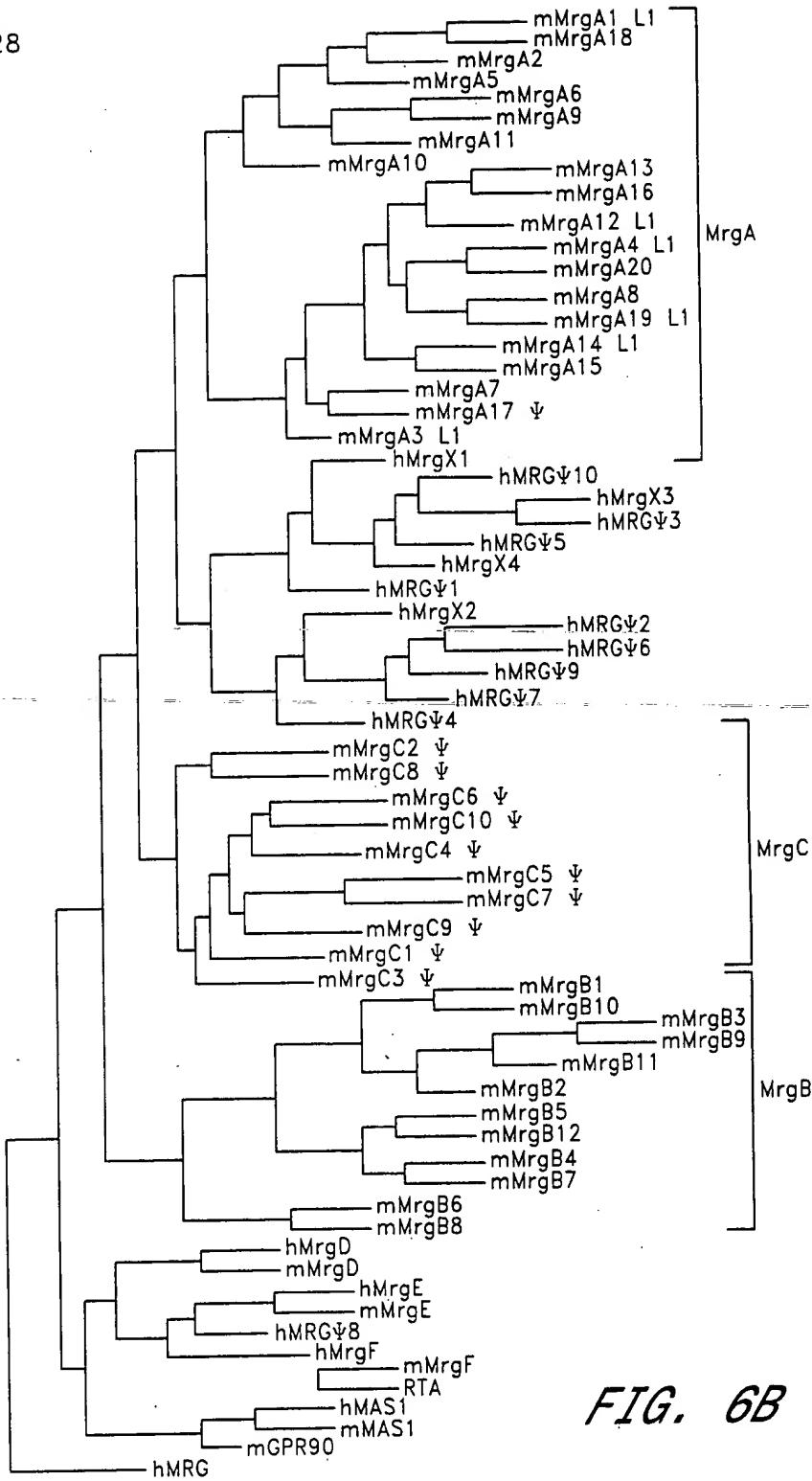


FIG. 6B

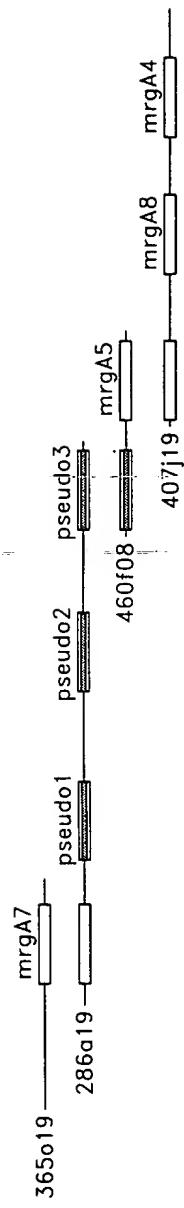
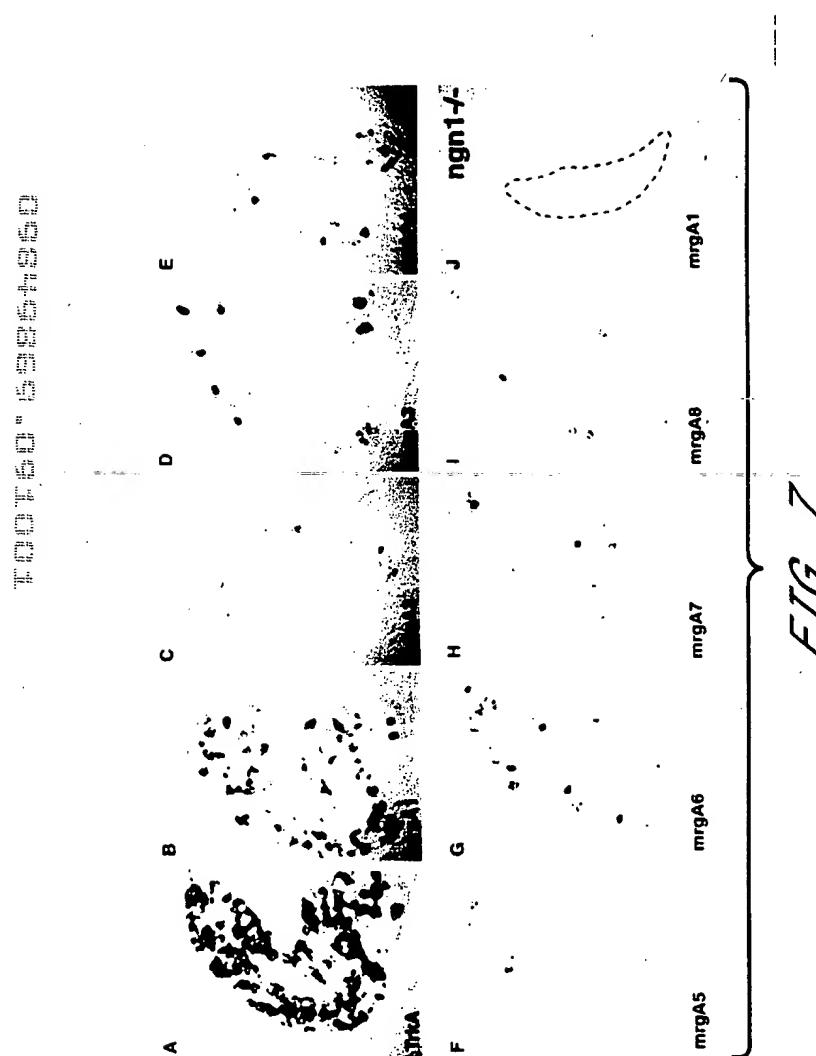


FIG. 6C



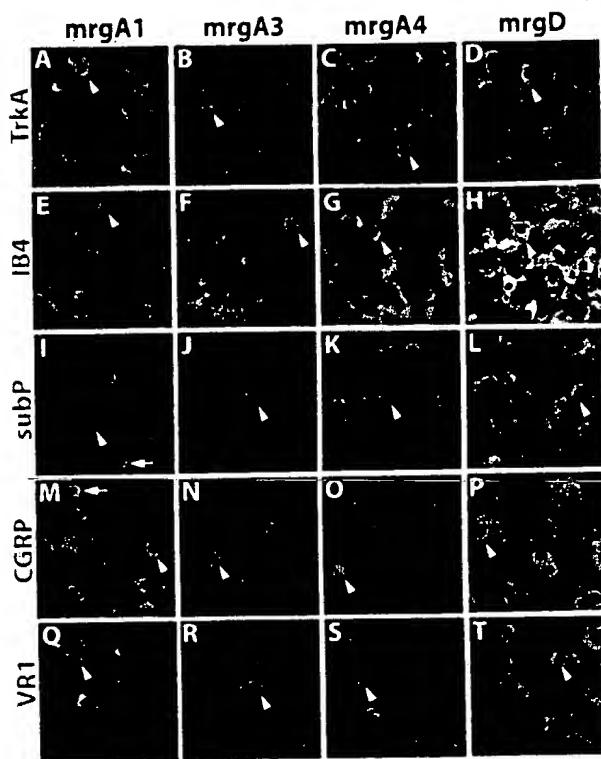


FIG. 8

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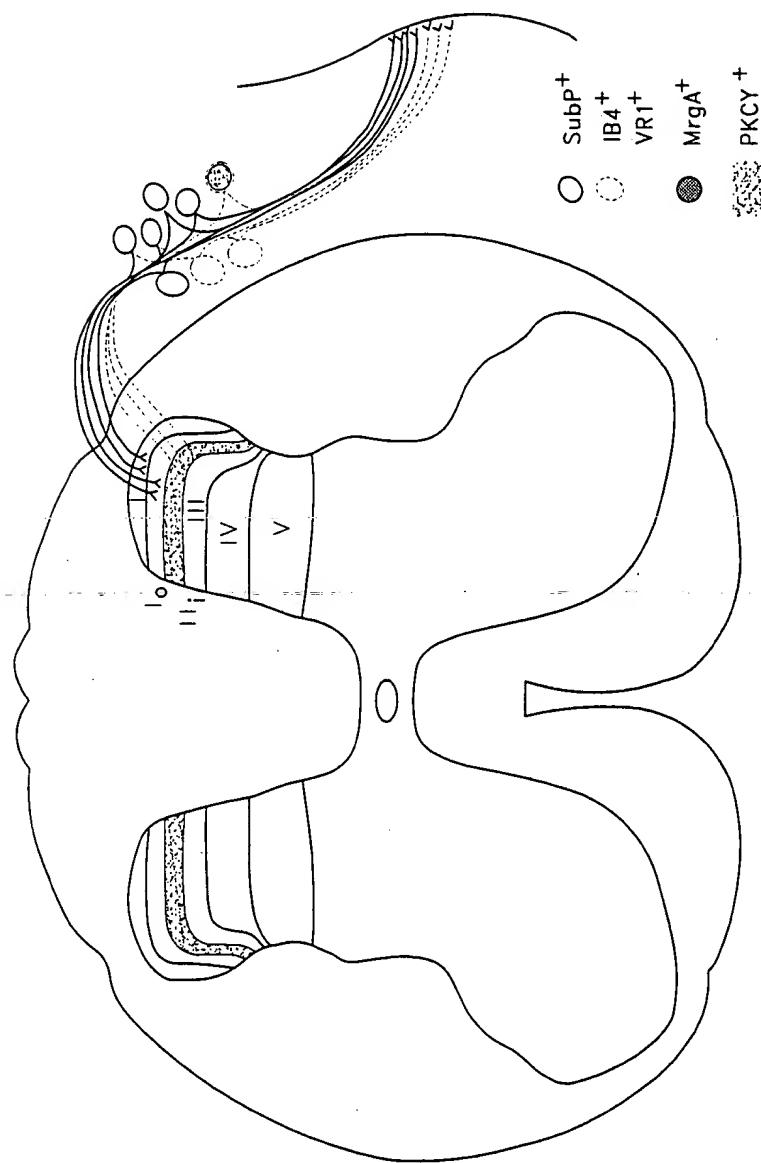


FIG. 9

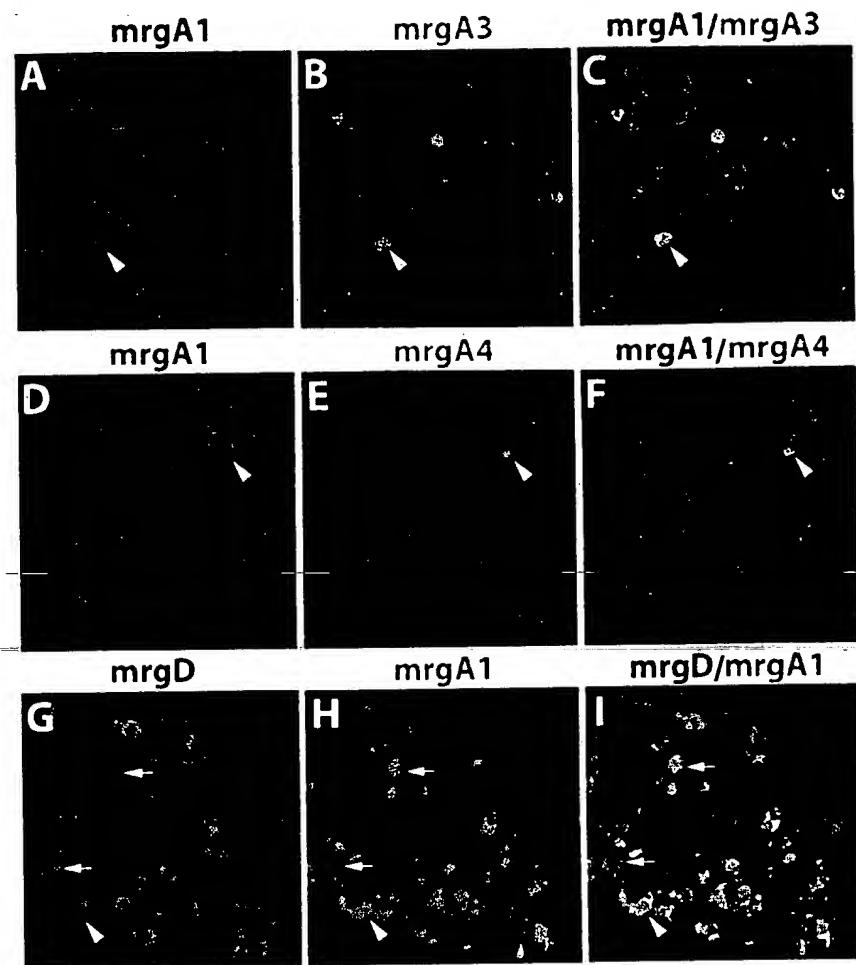


FIG. 10

PRINT OF DRAWINGS AS ORIGINALS TILED

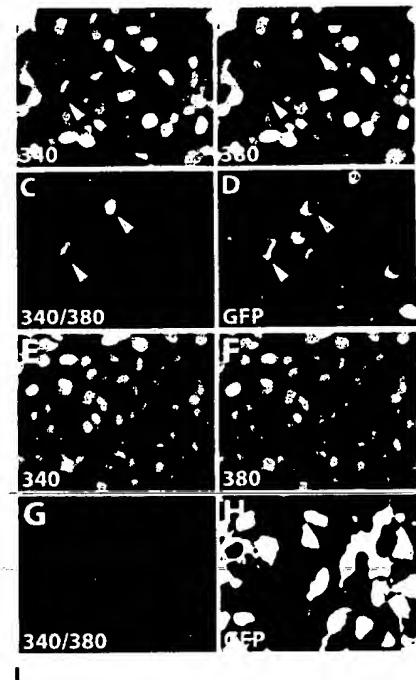


FIG. 11

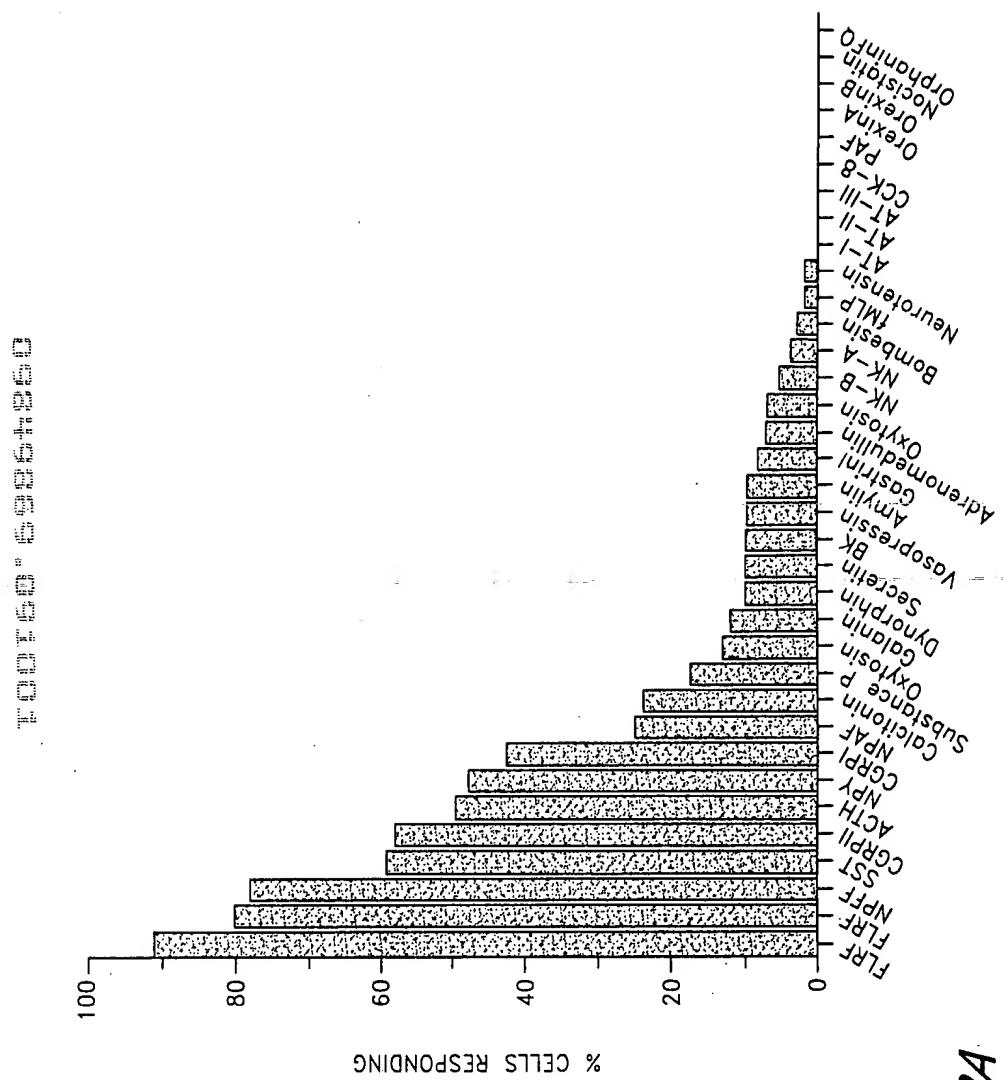


FIG. 12A.

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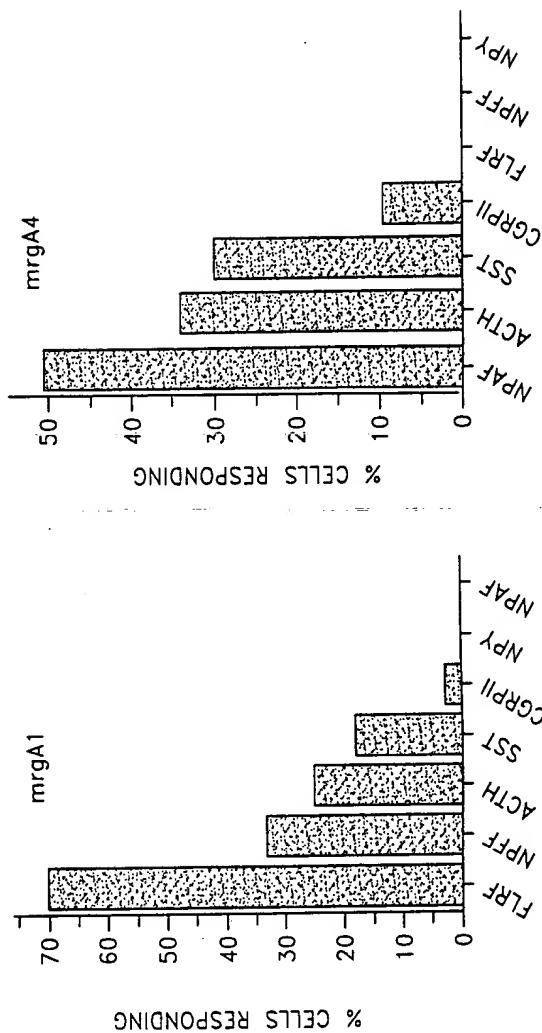


FIG. 12B

FIG. 12C

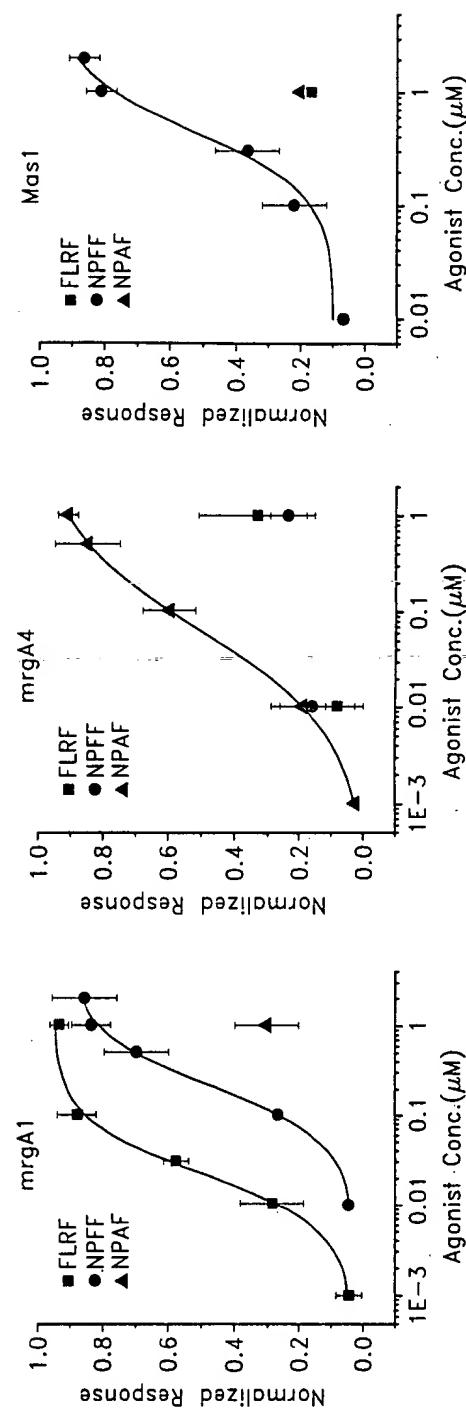


FIG. 12D

FIG. 12E

FIG. 12F

mMrgB1

Anterior/Head

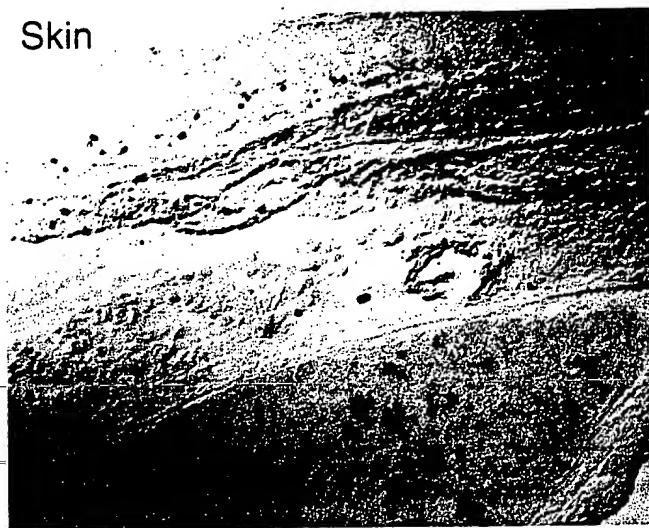


Posterior/Tail

FIG. 13

mMrgB1

Skin



000160-99999

FIG. 14

FIGURE 50 " 69964860

mMrgD in Adult DRG

